

	Description	Unit	Approved Quantity	Approved Rate in Figures (in Rs.)	Rate in Words (in Rupees)
47	Providing and fixing Chlorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling and testing of joints complete. (External work) (P W D BCSR 2014-15, P-94 1-13.87.8) 75mm nominal OD pipes, As directed by the engineer in charge	mttr	0.00	1927.00	Rupees one thousand nine hundred and twenty seven only
48	Providing and fixing Chlorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling and testing of joints complete. (External work) (P W D BCSR 2014-15, P-94 1-13.87.10) 150 mm nominal OD pipes, As directed by the engineer in charge	mttr	0.00	4652.00	Rupees four thousand six hundred and fifty two only
49	KSRRB 12-8.1 : Constructing brick masonry inspection chamber 450x450mm and 450mm depth (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover with frame (light duty) 450x450mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. As directed by the engineer in charge	Nos	0.00	5090.00	Rupees five thousand ninety only
50	Providing and fixing C.I Nahani trap of approved make conforming to ISI specifications and construction of Cistern in CC 1:2:4 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot), 12.5cms x 7.5cms, As directed by the engineer in charge	each	0.00	320.00	Rupees three hundred and twenty only
51	Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia, As directed by the engineer in charge	each	0.00	180.00	Rupees one hundred and eighty only
52	KSRRB 12-7.1 : Making connection of drain or sewer line of size 100 to 230mm external dia with existing manhole including breaking into and making good the walls, floors with cement concrete M 15 with 20mm and downsize granite metal, cement plastered on both sides of mix concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. As directed by the engineer in charge	Nos	0.00	1693.00	Rupees one thousand six hundred and ninety three only

Description		Unit	Approved Quantity	Approved Rate in Figures (in Rs.)	Rate in Words (in Rupees)
53	KSRB 13-11.1 : Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications (For 1000 litre capacity) Specification As directed by the engineer in charge	Nos	0.00	9382.00	Rupees nine thousand three hundred and eighty two only
54	Concealed Conduit System : Supplying 25mm dia 2mm thick heavy gauge PVC conduit pipe with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary As directed by the engineer in charge	mtr	0.00	60.00	Rupees sixty only
55	Groove cutting: Supplying 25mm dia 2mm thick heavy gauge PVC conduit pipe with bends, metal junction boxes adhesive paste etc., and bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary: As directed by the engineer in charge	mtr	0.00	61.00	Rupees sixty one only
56	Supplying and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting, necessary masonry patch work complete. As directed by the engineer in charge (a). 10"x7"x3"	each	0.00	92.00	Rupees ninety two only
57	Supplying and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting, necessary masonry patch work complete. As directed by the engineer in charge (b). 1 to 2 way	each	0.00	39.00	Rupees thirty nine only
58	Point wiring using copper wire with switch : Supplying and wiring adopting loop system in existing PVC conduit/casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2x1.5 sqmm cable conforming to the GTP with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. Point wiring using class A Materials (a) Short point upto 3Mtr from tapping point to out let via switch As directed by the engineer in charge	point	0.00	184.00	Rupees one hundred and eighty four only
59	Supplying 6A flush/projected type socket and a 6 amps flush/projected type SP switch either surface/flush mounting in a existing gang box or in a 4mm thick plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wires as required, 6 Amps 2 way As directed by the engineer in charge	each	0.00	135.00	Rupees one hundred and thirty five only
60	Supplying and fixing of backlite D.P/Socket/switch with/without neon indicator over existing wood board or flush mounting in plastic plates/niches. Using Group 'A' Material - 16 Amps Combined switch and socket with indication As directed by the engineer in charge	each	0.00	206.00	Rupees two hundred and six only

	Description	Unit	Approved Quantity	Approved Rate in Figures (in Rs.)	Rate in Words (in Rupees)
61	Supplying and fixing super quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box 'A' Group - 4 Module As directed by the engineer in charge	each	0.00	129.00	Rupees one hundred and twenty nine only
62	Supplying and fixing a modular switch/Socket/stepped electronic fan regulator / dimmer / telephone socket etc on existing modular switch plate As directed by the engineer in charge (a). 6 Amps one way	each	0.00	67.00	Rupees sixty seven only
63	Supplying and fixing a modular switch/Socket/stepped electronic fan regulator / dimmer / telephone socket etc on existing modular switch plate As directed by the engineer in charge (b). 6 Amps two way	each	0.00	92.00	Rupees ninety two only
64	Supply box type fluorescent tube light fitting 4' - 36/40 watts fluorescent tube fitting, made out of M.S sheet and stove enameled with low loss open construction copper wound ferromagnetic ballast, starter, locking type brass contact holders mounted on double fold type sheet base fully wired for use on 230 Volts A C Supply including fluorescent tube. 1 x 4' - 28 watts - Group 'A' As directed by the engineer in charge	each	0.00	1049.00	Rupees one thousand forty nine only
65	Supply of 1440rpm heavy duty exhaust fan with bracket blades suitable for operate on 230V 50Hz, AC supply complete. 12" sweep (300 mm) - Group 'A' As directed by the engineer in charge	Each	0.00	3873.00	Rupees three thousand eight hundred and seventy three only
66	Supplying and fixing regular MCCB distribution Panel confirm to IS 8828, on wall/woodboard/Flush mounting using required clamps, bolts, nuts etc., with provision for fixing of suitable type capacity MCCBs as an incomer for 3 phase Double door with necessary bus bar completely wired to use on 440volts 3phase 4wire powder coated painting etc., complete with a provision for fixing of single/three phase suitable capacity MCCB/MCBs as outgoings confirm to IS8828. 4 way - Group 'A' As directed by the engineer in charge	Each	0.00	7678.00	Rupees seven thousand six hundred and seventy eight only.
67	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and wiring complete as required. 5-32 Amps SP - Group 'A' As directed by the engineer in charge	Each	0.00	443.00	Rupees four hundred and forty three only
68	Supplying fixing, wiring, earth electrode for grounding conduits IC cutouts and other equipments on the meter board using 40 mm dia 2.90 mm thick GI pipe 2.5 m long buried in a pit. The pit should be filled with equal proportion of soil and charcoal 150 mm all round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia. As directed by the engineer in charge	Each	0.00	2691.00	Rupees two thousand six hundred and ninety one only

Description		Unit	Approved Quantity	Approved Rate in Figures (in Rs.)	Rate in Words (in Rupees)
69	KSRB 15.1.4 – do – Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (P W D BCSR 2014-15, P-109 1-15.4)	sqm	0.00	93.00	Rupees ninety three only
70	Providing and laying plat form using prepolished, water cut / gang saw 40mm thick telephonic Black Granite, laid on existing vertical -supports and fixing in CM 1:3 proportion. Including cutting to required shape, pattern with paper joints, including full rounding for nosing, finished with cement mortar, pointed with colour pigments to match the colour of slab making through jointing with sealant, making holes 25mm x 12mm grooves in joints including curing. As directed by the engineer in charge	sqm	0.00	3837.00	Rupees three thousand eight hundred and thirty seven only
71	Providing and laying flooring for corridors/lobbies using combination of pre polished 19 mm thick water cut/gang saw Grey Granite, Black Granite, and strips of 50mm wide pre flamed grey granite using pre polished grey granite 19mm thick 76%, Pre polished black granite 19mm thick @ 2% and preflamed 19mm thick grey granite @22% over existing cement concrete bed in CM 1:4 average 20mm thick pointed with white cement/colour pigment etc., complete. As directed by the engineer in charge	sqm	0.00	2882.00	Rupees two thousand eight hundred and eighty two only
72	Fabricating, supplying and erecting M.S. Tubular Truss of span upto 10m. The bottom and top member is provided with 50x50x6mm double equal angles, welded back to back and in between top and bottom line, in areas of mid section is provided with 50x50x6mm equal single angle for vertical and inclined members and at supporting ends 40x40x5mm single angle is provided. All the members are welded together with 6mm gusset plate as per Drawing. The entire truss is anchored in RCC column by using 4 Nos. of M.S. anchor bolts at each support, with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S. angle and welding wherever necessary, and applying one coat of red oxide primer coat to all the members including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, etc., complete as per specification. As directed by the engineer in charge	kg	0.00	157.00	Rupees one hundred and fifty seven only
73	KSRB 8.4.3 : Providing and fixing Mangalore tile roofing using first class tiles with necessary special tiles for ridges and hips, teak wood reapers of size 50x25mm and pointed with cement mortar 1:4 over the existing rafters including cost of materials, labour, curing complete as per specifications. Specification No. As directed by the engineer in charge	sqm	0.00	660.00	Rupees six hundred and sixty only

Contractor

(Signature)

	Description	Unit	Approved Quantity	Approved Rate in Figures (in Rs.)	Rate in Words (in Rupees)
74	Earthwork for lowering and levelling the ground other than foundation works by mechanical means upto 3.00 depth, including providing shoring and strutting, removal of stumps and other deleterious matter, dressing of sides and bottom, filling back the excavation earth to the extent required including the cost of labour and H.O.M of machineries, as per drawing and technical specification. As directed by the engineer in charge	Cum	0.00	60.00	Rupees sixty only
75	5.29(4) Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete. As directed by the engineer in charge	Nos	0.00	340.00	Rupees three hundred and forty only
76	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (PWD BCSR 2014-15, P-138 1-19.1)	Cum	0.00	80.00	Rupees eighty only
77	KSRRB M300-54. Construction of embankment with approved material deposited at site from roadway cutting and excavation from drain and foundation of other structures graded and compacted to meet requirement of Table 300-2 complete as per specifications, which includes, watering charges & compaction by vibratory roller) MORTH Specification No. As directed by the engineer in charge	Cum	0.00	71.00	Rupees seventy one only
78	KSRRB M400-6.1. Construction of granular sub-base by providing close graded material, mixing in a mechanical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications, A. Plant Mix Method. For grading III Material As directed by the engineer in charge	Cum	0.00	1545.00	Rupees one thousand five hundred and forty five only
79	KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification As directed by the engineer in charge	Cum	0.00	1551.00	Rupees one thousand five hundred and fifty one only
80	KSRRB 500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WBM, WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg/sqm using mechanical means complete as per specifications. MORTH specifications As directed by the engineer in charge	sqm	0.00	37.00	Rupees thirty seven only

Description

Sl. No.	Description	Unit	Approved Quantity	Approved Rate in Figures (in Rs.)	Rate in Words (in Rupees)
81	KSRRB 500-11. Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of tonne capacity, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density. 50 /75mm compacted thickness with 3.3% bitumen but excluding cost of primer / tack coat with lead upto 1km including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH Chapter 5 using 40/60 TPH capacity by the engineer in charge	Cum	0.00	7500.00	Rupees seven thousand five hundred only
82	KSRRB 500-7. Providing and applying tack coat on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH/Chapter 5 As directed by the engineer in charge	sqm	0.00	19.00	Rupees nineteen only
83	KSRRB M500-18. Providing and laying semi dense bituminous concrete using crushed aggregate of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, as per MORTH specification clause No. 508 complete in all respects complete as per specifications. using 40-60 TPH capacity H.M.P. with sensor paver grading 1 (35-40mm) with 4.5% CRMB-55 grade As directed by the engineer in charge	Cum	0.00	10800.00	Rupees ten thousand eight hundred only
84	KSRRB M300-55. Construction of sub-grade and earthen shoulders with approved material Gravel/Murum with all lifts & leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table No. 300-2 complete as per specifications (including cost of earth, watering charges & compaction by vibratory roller) MORTH Specification No. 305 As directed by the engineer in charge	Cum	0.00	350.00	Rupees three hundred and fifty only
85	KSRRB M300-7.1. Planting permanent hedges including digging of trenches, 60 cm wide and 45 cm deep, refilling the excavated earth mixed with farmyard manure, supplied at the rate of 4.65 cum per 100 metres and supplying and planting hedge plants at 30 cm apart complete as per specifications. A) Planting permanent hedges including digging of trenches MORTH Specification As directed by the engineer in charge	mtr	0.00	85.00	Rupees eighty five only
86	KSRRB 15-19.1 : Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. As directed by the engineer in charge	sqm	0.00	27.00	Rupees twenty seven only

Contractor

Executive Engineer
Lakes, BBMP

Description

Description	Unit	Approved Quantity	Approved Rate in Figures (in Rs.)	Rate in Words (in Rupees)
87 KSRRB 18-20.2 : Providing and applying floor painting with ready mix paint in one coats (excluding priming coat) on new concrete / asbestos cement sheet / plastered surfaces brushing foreign matter and sand papering including cost of materials, labour, complete as per specifications. As directed by the engineer in charge KSRRB M800-2. Retro-Reflecterised Traffic Signs :- Providing and fixing of retro-reflecterised cautionary, mandatory and informative sign as per IRC :67 made of high intensity grade sheeting vide clause 800.1.3, fixed over Aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing complete as per specifications. MORTTH Specification No.801 (PWD BCSR 2014-15, P-176, 1-24.2.5.1) 60 cm x 45 cm rectangular Type IV As directed by the engineer in charge	sqm	0.00	33.00	Rupees thirty three only
88 KSRRB M800-7. Painting:-Providing and applying two coats of ready mix paint of approved brand after thorough cleaning of surface to give an even shade complete as per specifications. MORTTH Specification No. 803 (As directed by the engineer in charge KSRRB M800-10. Painting new letter and figures of any shade with synthetic enamel paint black or any other approved colour to give an even shade complete as per specifications. (vii) English and Roman - Hyphen and the like not to be measured and paid for MORTTH Specification No. 801 As directed by the engineer in charge	Nos	0.00	3200.00	Rupees three thousand two hundred only
89 KSRRB M800-4. Direction and Place Identification Signs with size more than 0.9 sqm Size Board:-Providing and erecting direction and place identification retro-reflecterised sign as per IRC :67 made of high intensity grade sheeting vide clause 800.1.3, fixed over aluminium sheeting, 2 mm thick with area exceeding 0.9 sqm supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm, 2 Nos. firmly fixed to the ground by means of properly designed foundation with M-15 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing complete as per specifications. MORTTH Specification No.801 (PWD BCSR 2014-15, P-177, 1-24.4) Using Type IV sheeting,As directed by the engineer in charge	sqm	0.00	57.00	Rupees fifty seven only
90 KSRRB M800-4. Direction and Place Identification Signs with size more than 0.9 sqm Size Board:-Providing and erecting direction and place identification retro-reflecterised sign as per IRC :67 made of high intensity grade sheeting vide clause 800.1.3, fixed over aluminium sheeting, 2 mm thick with area exceeding 0.9 sqm supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm, 2 Nos. firmly fixed to the ground by means of properly designed foundation with M-15 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing complete as per specifications. MORTTH Specification No.801 (PWD BCSR 2014-15, P-177, 1-24.4) Using Type IV sheeting,As directed by the engineer in charge	cm	0.00	0.50	fifty paise only
91 KSRRB 4.2.10 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 24kgs. with 12mm and down size graded granite metal coarse aggregates @0.5175cum and fine aggregates @ 0.345cum. with superplastiser @0.225lbs. machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level. including cost of all materials, labour, HON of machinery, finishing, curing, complete as per specifications. Specification No. KBS 4.1.4.6 (P W D BCSR 2014-15, P-14 1-4.19)	sqm	0.00	476.00	Rupees four hundred and seventy six only

	Description	Unit	Approved Quantity	Approved Rate in Figures (in Rs.)	Rate in Words (in Rupees)
93	KSRB 4-6.10 Providing and removing centering, shuttering, strutting, propping etc., forchajjas, corbels etc., including edges including cost of all materials, labour complete as per specification. Specification No. KRS 4.6.2 etc., As directed by the engineer in charge	sqm	0.00	281.00	Rupees two hundred and eighty one only
94	Supplying and fixing pressed steel door frames size 125 x 65 mm manufactured from 1.25 mm thick carbon steel or imported steel strips with mitred joints of 90 degree, for door openings mm, width top and side rails of 100 mm, width and bottom rails of 250 mm width and panel filling with 12 mm thick particle board of exterior grade bonded with phenol formaldehyde resin and the shutter shall be rot proof, vermin proof, heat resistant guaranteed against shrinkage, warpage and such other defects for a period of 3 years. This shall be as per approved drawings, specification and direction including cost of conveyance, manufacturing, painting with enamel paint 2 coats over primer coat, cost of labour for all items of work, machinery, equipment and all other incidental charges with all lead, lift, loading and unloading etc., complete. The Hollow portion of the frame to be filled with cement concrete 1:2:4 As directed by the engineer in charge	sqm	0.00	3933.00	Rupees three thousand nine hundred and thirty three only
95	KSRB 7.10 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm. with 1.2mm thick bottom section weight 0.695 kg/m, sides and top sections 1.3 mm. thick weight 0.659 kg/m; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417 kg/m; shutter outer side 40mmx18mm, 1.25mm.thick weight 0.417 kg/m, shutter interlock section 40mmx26.7mm, 1.1mm thick, weight 0.469 kg/m. the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; and providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading aluminium sections including cutting to required length, joints mitred subdividing the frame tenoned and rivetted in the assembled frame stiffened with end clips at corners angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be with necessary steel screws, rail plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar, aluminium sections pretreated for	sqm	0.00	4112.00	Rupees four thousand one hundred and twelve only
96	Providing vitrified tiles 60x60cms of approved make, shade and size for flooring, laid on a bed 12mm thick cement mortar 1:3 mix, flush pointing using white cement using color pigment, including cost of materials, labour, complete as per specifications As directed by the engineer in charge	sqm	0.00	1173.00	Rupees one thousand one hundred and seventy three only